

ABSTRACT

A molten zinc plated steel sheet superior in plating  
bondability and provided with both strength and  
5 shapeability is provided and a method of producing this  
molten zinc plating steel sheet by a continuous zinc  
plating production system which enables production at a  
low cost without modification of the system or addition  
of steps is provided, said molten zinc plated steel sheet  
10 characterized by comprising, by wt%, a steel sheet  
including C: 0.05 to 0.40%, Si: 0.2 to 3.0%, and Mn: 0.1  
to 2.5%, the balance comprised of Fe and unavoidable  
impurities, having on its surface a Zn plating layer  
containing Al: 0.01 to 1% and the balance of Zn and  
15 unavoidable impurities and containing inside the steel  
sheet within 2  $\mu$ m from the interface of said plating  
layer and steel sheet oxide particles of at least one  
type of oxide selected from an Al oxide, Si oxide, Mn  
oxide, or complex oxide comprised of at least two of Al,  
20 Si, and Mn.